



DEPARTMENT OF THE NAVY
COMMANDER
HELICOPTER TACTICAL WING
U.S. PACIFIC FLEET
NAS NORTH ISLAND P.O. BOX 357096
SAN DIEGO, CALIFORNIA 92135-7096

COMHELTACWINGPACINST 4790.10
N4

APR 01 1998

COMHELTACWINGPAC INSTRUCTION 4790.10

Subj: VIBRATION ANALYSIS PROGRAM

Ref: (a) NAVAIR 01-1A-24
(b) OPNAVINST 4790.2G
(c) Applicable (T/M/S MIMs/MRCs)

Encl: (1) Vibration Analysis Qualification/Requalification Form

1. Purpose. To establish local policy and procedures for maintaining a safe and efficient Vibration Analysis (VA) Program per references (a) through (c).

2. Background. Positive control of trend analysis, thorough documentation, and sound training are vital elements to an effective Vibration Analysis program. Reference (a) directs the Vibration Analysis program as it applies to records, data collection forms, training, and step-by-step procedures for the troubleshooting of vibration discrepancies.

3. Action.

a. Unit Maintenance Officer will designate in writing a Vibration Analysis Program Manager per reference (b).

b. Unit Quality Assurance/Analysis Division will:

(1) Designate in writing a QAR as the Vibration Analysis Program Monitor per reference (b).

(2) Maintain a program file, separated by aircraft bureau number, containing the following minimum items:

(a) A copy of signature data disk (H-1/H-3).

APR 01 1988

(b) A copy of printed run sheets, to include track and balance and engine vibration data sheets for a complete phase cycle (H-46 only).

(c) An aircraft baseline vibration signature at a flight regime of 120 knots upon completion of a track and balance (H-46 only).

(d) A copy of current Vibration Analysis Data Collection Form.

(3) Ensure all documents are collected and verify they contain the minimum required information, then forward the documents to the appropriate Naval Aviation Depot Support Team per reference (a).

(4) Ensure personnel are trained in vibration analysis and qualified as operators per reference (a), utilizing enclosure (1).

c. Unit Maintenance personnel/Operators will:

(1) Be familiar with references (a) and (c) as they apply to each unit's specific Type/Model/Series aircraft.

(2) Be trained in units specific Type/Model/Series test equipment used for Vibration Analysis scheduled/unscheduled maintenance.


D. A. MAWHINNEY

Distribution:

COMHELTACWINGPACINST 5216.1C (CH-1)

Lists I and II

APR 01 1998VIBRATION ANALYSIS (VA) QUALIFICATION/REQUALIFICATION FORM

Activity: _____ Date: _____
 Name: _____ Rate: _____

OPERATOR QUALIFICATION:

1. Required Reading	Date Completed	Supervisor Initials
NA 01-1A-24	_____	_____
T/M/S MIM's/MRC's Procedures	_____	_____
WING Instructions _____	_____	_____

2. Completed Wing Approved Formal Training by qualified VA Technician (QAR/CDQAR).

_____ Date Completed Tech. Sign.

3. Completed Practical Job Training as required by Wing Instruction administered by VA technician.

_____ Date Completed Tech. Sign.

Division Officer

Commanding Officer (or Rep)

Signature _____ Date _____ Signature _____ Date _____

TECHNICIAN QUALIFICATIONS: Technicians must be operator or as a minimum have completed the operator required reading before progressing toward qualifications.

1. Personnel Requirements: QAR or CDQAR

2. Formal Training:

WING approved NAESU	Course Number	Date Completed
or FRAMP VA Course	_____	_____

3. Practical Job Training _____ Date Completed

As required by Wing _____

NOTE: In order to establish initial technician requirements (only) PJT may be based on previous VA experience.

QA Officer

Commanding Officer (or Rep)

Signature _____ Date _____ Signature _____ Date _____